

Contents

1 The Molecular World

- Looking at the Molecular World 3
- The Names of Molecules 8
- Molecular Building Blocks 8

2 Building Molecules

- Enzymes 20
- Information 36

3 Powering the Body

- Digestion 56
- Chemical Energy 67

4 Form and Motion

- Cell Form 82
- Body Form 95
- Molecular Motors 105

5 Dangers and Defenses

- Toxins and Venoms 109
- Detoxification 116
- Immunity 124
- Healing 131

6 Molecules and the Mind

- Hormones 141
- Sense 154
- Thought 159

Epilogue: Molecules and Medicine

165

Further Reading

167

Glossary

169

Sources of Macromolecular Structures

173

Index

177